

Front Side



CH No.	Channel No
PV	Present Channel Value
R1,R2,R3,R4	RELAY ON INDICATION FOR RELAY1 TO RELAY4
TX & RX	FOR MODBUS COMMUNICATION INDICATION
A/M	AUTO/MANUAL MODE OF CHANNEL SCROLLING, LED ON MODE - AUTO SCROLLING LED OFF MODE - MANUL SCROLLING

Note:-

- 1) Press for Continuous Scrolling or Manual Scrolling. When Manual Mode will on than Auto scroll led will be off.
- 2) In Manual Mode use or Key for select next or previous channel respectively.

Terminal Diagram



CH-1(1-3)			CH-2(4-6)			CH-3(7-9)			CH-4(10-12)		
C	+	-	C	+	-	C	+	-	C	+	-
SUPPLY		RL-1							COM		
L	N	C	NO							A	B

Note :-

- 1) For RTD input connect both Red wire on “ C “ and “ + “ Terminal & white Wire on “ – “ Terminal.
- 2) For 4-20 mA input , use 100 ohm (0.1 %) Resistor across “+” and “--“ Terminal.
- 3) For 0-10 V and Thermocouple Input, use “+” and “—” Terminal.
- 4) Operating Power Supply voltage is 85-265 VAC , 50 Hz.

Basic Configuration Setting

Press  +  Key for 3 second.




1 0 0 0 5

For the change Scan Time, Press  or  Key

Scan time (3 to 255 Second)

S c t Y

Press  Key for next parameter

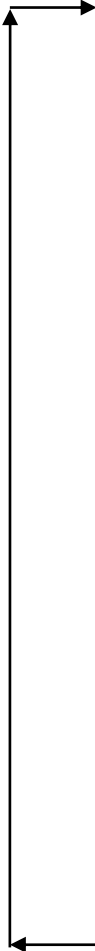
1 0 0 0 2

S L I d



Slave Id for Modbus Communication (1 to 255)


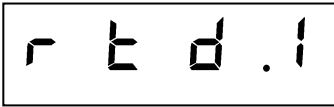
Press  Key

Press  Key for Save & Exit



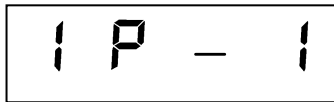
Input Selection

Press  +  Key for 3 second.


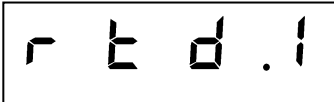
 

For the change Input Type, Press  or  Key

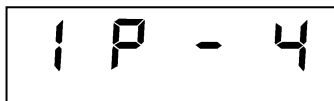
(RTD.1 / RTD1 / J-TC / K-TC / R-TC / S-TC / T-TC / E-TC /
B-TC / N-TC / 4-20 mA / 0-20 mA / 0-10 V)



.
Press  Key for next parameter



(Repeat the same Procedure for all 4 Channel)





Press  Key

Press  Key for Save & Exit

Offset Setting

Press  +  Key for 3 second.

1 0 0 0 0

For the change offset value, Press  or  Key

0 F - 1

.
Press  Key for next parameter

1 0 0 0 0

(Repeat the same Procedure for all 4 Channel)

0 F - 4

Press  Key

Press  Key for Save & Exit

Channel Skip - Unskip Setting

Press  +  Key for 3 second.



1

NO

For the change parameter, Press  or  Key

5 A - 1

(NO - UNSKIP / YES - SKIP)

.



. Press Key for next parameter

.

.

1

NO

(Repeat the same Procedure for all 4 Channel)

5 A - 4

Press  Key

Press  Key for Save & Exit

Decimal Point & Analog Range Selection

Press  +  Key for 3 second.



1

1 0 . 0 0

For the change DP, Press  or  Key

d P - 1

(1000 / 100.0 / 10.00 / 1.000)

.



. Press Key for next parameter

.

.

1

1 0 . 0 0

(Repeat the same Procedure for all 4 Channel)

d P - 4



1 0 0 0 0

For the change parameter, Press  or  Key

channel 1 Low range

r L - 1

Press  Key for next parameter

1 1 0 0 0

Channel 1 High Range

r h - 1

(Repeat the same Procedure for all 4 Channel)

Press  Key

Press  Key for Save & Exit

Control settings for Relay

Press  +  Key for 3 second.



1


H I G H

For the change Control-1, Press  or  Key

C O N 1

(HIGH / LOW / OFF)

.

. Press  Key for next parameter

.

.

1

H I G H

(Repeat the same Procedure for all 4 Channel)

C O N 4




1 0 0 0 2

For the change parameter, Press  or  Key

H Y S I

HYSTERISIS - 1

Press  Key for next parameter

1 0 0 0 2

HYSTERISIS - 4

H Y S 4

(Repeat the same Procedure for all 4 Channel)

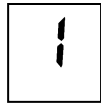


Press  Key

Press  Key for Save & Exit

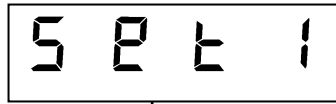
Set Point Settings


Press  Key for 3 second.



 1  1 0 0 0 For the change parameter, Press  or  Key

Set Point - 1

 S P t 1

Press  Key for next parameter

 1  1 0 0 0 Set Point - 4

 S P t 4

(Repeat the same Procedure for all 4 Channel)

.

.



Press  Key for Save & Exit

MODBUS MAP

SR NO	REGISTER NO	DESCRIPTION	R/W	COMMENT
1	40000	PV-1	R	PRESENT VALUE FOR ALL CHANNEL 32767-OPEN, 32765- LOW, 32766-HIGH, 32764-SKIPPPED CHANNEL INDICATION
2	40001	PV-2	R	
3	40002	PV-3	R	
4	40003	PV-4	R	
5	40004	SK-1	R/W	0- NO & 1-YES SKIP CHANNEL
6	40005	SK-2	R/W	
7	40006	SK-3	R/W	
8	40007	SK-4	R/W	
9	40008	DP-1	R/W	DECIMAL POINT 0-1000, 1-100.0, 2-10.00, 3-1.000
10	40009	DP-2	R/W	
11	40010	DP-3	R/W	
12	40011	DP-4	R/W	
13	40012	RNGL-1	R/W	LOW RANGE FOR LINEAR INPUT
14	40013	RNGL-2	R/W	
15	40014	RNGL-3	R/W	
16	40015	RNGL-4	R/W	
17	40016	RNGH-1	R/W	HIGH RANGE FOR LINEAR INPUT
18	40017	RNGH-2	R/W	
19	40018	RNGH-3	R/W	
20	40019	RNGH-4	R/W	
21	40020	INPUT-1	R/W	0-RTD.1, 1-RTD, 2-J TC, 3-K TC, 4-R TC, 5-S TC, 10- 4-20mA, 12- 0-10V
22	40021	INPUT-2	R/W	
23	40022	INPUT-3	R/W	
24	40023	INPUT-4	R/W	
25	40024	OFFSET-1	R/W	OFFSET SETTINGS FOR ALL CHANNEL
26	40025	OFFSET-2	R/W	
27	40026	OFFSET-3	R/W	
28	40027	OFFSET-4	R/W	
29	40028	SCAN TIME	R/W	SCAN TIME FOR DISPLAY

- BUAD RATE:- 9600,
- DATA BITS-8,
- STOP BIT-1,
- PARITY-NONE,
- SALVE ID:- AS PER MENU SELECT(DEAFULT-2)

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